SOUNDING OCEANIC DEEPS.

HOW THE PLUMMET IS USED AND WHAT IT FINDS.

SOME OF THE ENORMOUS PRESSURES EXPERIENCED AT LOW LEVELS—MYSTERIOUS FORMS OF LIFE THERE—THE SEA BOTTOM ELABORATELY CHARTED.

From Lloyd's Weekly Newspaper.

From the earliest ages mankind has been inquisitive as to the ocean depths and the mysteries of life and being they are supposed to hold. To the superstitious peoples of the old nations they were bottomless gulfs, haunted by sea dragons and strange monsters, and the value of some famous jewels belonging to the Doges of Venice was much enhanced by a legend attaching to them that they had been brought by sorcery "from the uttermost abyss of ocean." For centuries these confused ideas prevailed as to the great deeps, and though we moderns do not share in them, yet we are as curious as were our forefathers concerning the matter of their exploration, in which science has achieved something, though not much.

Knowledge of these great depths is obtained with the utmost difficulty. Deep-sea soundings are above all other operations liable to error, because of the prevalence of submarine currents of great force and moving in various directions. These interfere with the vertical descent of the sounding weight and cause miscalculations as to depths attained. This probably accounts for some of the stories given in old nautical works, where depths of eleven, twelve and even sixteen miles are solemnly averred to have been sounded. In later days, however, great depths have unquestionably been properly gauged by means of special instruments used by competent navigators.

The instrument that has given the most satisfactory results is known as "Brooke's Line," from the name of its inventor. It consists of a long iron rod, with a cupike hollow at one end. The rod, when ready for use, is passed through a hole in a heavy iron ball, the latter varying in weight from seventy to one hundred and seventy pounds. This ball is slung to a hinged fork at the top of the rod by means of a line that passes round it, the ends of the line being passed over two points on the hinged fork. The uppermost points of the fork carry the lowering line. While the weight of the apparatus is borne by the lowering line in passing through the water, the hinged fork is kept upright, and the ball is fast. Directly the cup of the rod strikes the sea bottom the hinges fall, and the ball slides off, leaving the rod to be pulled up with whatever may be in the cup in the shape of sand, shells or similar substances. It was this instrument that first gave proof that organisms exist at great depths. From the plateau of the Atlantic it brought numerous perfect but very small shells; from the Indian Ocean, at a depth of two miles, spicule of sponge. This was considered evidence that certain low forms of life can exist under immense pressure, in utter darkness, and in intense cold.

The pressure is indeed tremendous; it increases with the depth, and some of the earlier forms of measuring instruments were drawn back to the surface smashed and useless from the weight they had been subjected to. One can hardly wonder at this, considering that the accepted calculations as to pressure are 14 pounds to the square inch at the surface, at 30 feet down, double that; at 60 feet, treble; at 90 feet, quadruple, and so on in increasing ratio until at a mile deep it is a ton and a half to the square inch. This means that a soft body, such as that of a man, if it could get so far, would be reduced to a widely spread pulp.

Yet the modern instruments have undoubtedly obtained accurate measurements of several miles without injury. We know now that the mean depth of the Atlantic is about three-quarters of a mile, and of the Pacific two and a half miles. These are the averages. In some places there are immense depths, in others comparative shallows. The greatest effort ever made for the exploration of these ocean basins and plateaus was that of the Challenger, sent on its famous voyage by the Government in 1872. The officers of the expedition succeeded in obtaining, on March 24, 1875, what up to then was the deepest sounding ever scientifically vouched for—4 miles 750 yards. This was taken in the Atlantic, north of St. Thomas, and remained unbeaten until September, 1889, when, in the South Atlantic Ocean, midway between the island of Tristan d'Acunha and the mouth of the River Plate, accurate soundings were obtained to a depth of eight and three-fourths miles. This remains to-day the deepest sounding ever taken. The Mediterranean Sea also possesses some great depths, for, in March, 1891, during the deep-sea explorations carried out at the instance of the Academy of Vienna, a depth of two and a quarter miles was measured between Molla and Cerigo.

The advantages gained by such researches have been immense. In searching the deeps, minute forms of life have been discovered, and we now know the causes of the ocean colors, which vary with atmospheric conditions, and our navigators, by observation of them, are often enabled to prepare for coming storms. We know now that the bottom of the sea is, as the land is, a succession of hills and dales, plains, mountains and valleys. Charts have been prepared of the ocean basins and the shallower parts have been accurately mapped, with minute accounts added of their sands and beds, all of which are become aids to the mariner in determining his whereabouts. This he does by the aid of a deep-sea, or, as the sailor prefers to call it, "dipsy," lead.

The instrument, always put in use when nearing a coast, is a long leaden weight, in shape resembling those used on old "grandfathers'" clocks, but much bigger, varying in weight from fifty to eighty pounds. At the bottom of this lead is a hole about an inch deep by an inch and a half wide, known as the "armhole." This is "armed," or filled, with tallow. The line to which the lead is attached is 500 fathoms long, though this length is rarely required in ordinary navigation. When the lead is cast overboard it runs rapidly down and strikes the sea bottom, the tallow picking up samples of what that bottom consists of. These are examined, and the navigator knows his approximate position on the coast, some bottoms being sand and shells, others various colored sands, some rocky, some muddy, and so on. Perhaps the most extraordinary discovery ever made on the arm of the lead after heaving was that of a spade guinea. This was brought up on the tallow from a depth of ninety fathoms off the west coast of Africa by a quartermaster named Emanuel Davis, in the employ of the West African Steam Navigation Company. Such a thing was a chance in a million, and by no means proves that the floor of the sea is as the poet pictured it, littered with gold, great anchors and heaps of pearls in valuable profusion.

It is said that another expedition for exploring the ocean depths is in contemplation, more particularly with a view to discovering the true nature of the white-of-egg-like substance which is found in the deepest abysses. If this can be done a great stride in knowledge will have undoubtedly been taken, for there are not wanting biologists who consider it identical with the protoplasm which the late Professor Huxley termed "the physical basis of life," and who have evolved a theory that "the germ of all life was matured in the ocean abysses in intense cold and darkness and under pressures so vast as to be almost inconceivable to the mind." These, of course, are but speculations, and quite apart from them there are secrets enough in the ocean deeps to forever interest the world in their exploration.

BILLIARD AND POOL TABLES.

MANUFACTURERS of Billiard and Pool Tables; reasonable prices; easy terms. A. P. MARX BROS., 124 East 14th-st.

BOARD AND ROOMS.

LADY having an apartment, elevator, telephone, will rent with board to pleasant room; running hot and cold water; to gentleman and wife, or two ladies; references. Address 19 West 42d-st.

37TH-ST., 36 WEST.—Large front room, unexpectedly vacated, with board; references given and required.

9TH ST., 21 AND 25 WEST.—Beautiful large double and single rooms; table unexcelled; transients accommodated; refs.

9TH-ST., 122 EAST, overlooking Gramercy Park.—Very desirable second floor front corner room, private bath; parlor living-room.

BUSINESS CHANCES.

FUTURE SAFE for a young man of good family who wants to raise; an American partner is wanted (must speak a little French), bringing $6,000 to launch an architectural invention, destined to make a fit in New-York. The inventor brings nothing but his learning, perfect honesty and intelligence required. Write to Mr. BALLEYS, 74 Macdougal-st.

CARPET CLEANING.

CARPETS cleaned by steam, by hand or on the floor. Careful Carpet Cleaning Co., 1,538 Broadway, 421 East 48th-st. ICE & BRANDT, Tel. 152-38th.

COLUMBIA Steam Carpet Cleansing and Renovating Works, 409 West 34th-st. All grades, 5c. yard. Telephone 2 800 38th.

DESK AND OFFICE FURNITURE

DESKS IN GREAT VARIETY OF STYLE AND PRICE. T. G. SELLEW, 111 Fulton St.

DRESSMAKING.

DRESSMAKER, experienced, by the day; excellent fitter; terms $1.75; home evenings. Mrs. JONES, 139 West 90th-st.

DRESSMAKER.—Couturiere Française, formerly with Stern Bros., first-class French dressmaking, evening, reception, dinner and tailor-made gowns; latest Paris tailor-made shirtwaists; remodelling short notice; reasonable prices; ladies' own materials made up. Mme. BENITEAU ANDERSON, 238 6th-ave., near 13th-st.

DRESSMAKER.—To go out by the day, city or country; terms moderate; best of reference. Apply by mail, R. H., 430 4th-ave.

DRESSMAKER of twelve years' experience desires position to travel for importing and dressmaking establishment; is thoroughly familiar with imported garments and has good business in Southern and Western cities. Address P., 201 East 14th-st.

DRESSMAKER.—Experienced cutter and fitter; works home; reasonable; out by day $1.50. Mme. VARIN, 806 Columbus-ave.

DRESSMAKER.—First-class, perfect cutter and fitter, desires engagement by day or week; city or country. DAMEROW, 204 West 25th-st.

DRESSMAKER.—All styles dresses; perfect fit guaranteed; superior work and finish; samples shown; reasonable charges; responsible. COOKE, 235 West 44th-st., near Broadway.

DRESS & ACCORDEON PLEATINGS.

DRESSMAKERS and the trade get discount on the lowest prices for Pleatings, Pinkings, Plaitings; work done while you wait. HARDING, 26 West 22d-st.

ELECTRO THERAPEUTICS.

VIBRO-MECHANICO AND ELECTRO THERAPEUTICS. DE VALLETTE INSTITUTE, 109 West 32d-st., 101 West 68th-st.

EMPLOYMENT AGENCIES.

A.—A.—A.
68 WEST 22D-ST.,
MRS. L. SEELY,
FOREIGN AND DOMESTIC MALE AND FEMALE EMPLOYMENT BUREAU.
ALL REFERENCES STRICTLY INVESTIGATED.
Servants breaking engagements will be dismissed from office and forfeit all claims to fee paid.
Brooklyn Office, 2 Bond-st., Corner Fulton-st.

AT ST. BARTHOLOMEW'S EMPLOYMENT BUREAU, 211 East 42d-st., are mercantile and professional workers, office managers, bookkeepers, cashiers, stenographers, clerks, salesmen and saleswomen; also teachers, chaperons, trained nurses, governesses, managing housekeepers, etc.; labor men of all kinds.

AT ST. BARTHOLOMEW'S Training School for Nursemaids, under the auspices of St. Bartholomew's Employment Bureau, 211 East 42d-st., nurses are taught every Thursday evening at 8 p. m.

BEST SERVANTS. BEST SYSTEM. IRWIN'S EMPLOYMENT BUREAU, 6th-ave. and 11th-st.

LANE & BORRE, 72 West 21st-st., supply only competent servants; personal references; terms not in advance.

FURNISHED ROOMS.

FIRST-CLASS furnished room, all modern conveniences; rent moderate. 135 West 12th-st.

8TH-AVE., 324.—Large furnished and unfurnished rooms; bath; running water and gas. HAINES.

11TH-ST., 107 WEST.—Two sunny connecting rooms, together or separately, with family of three adults; superior neighborhood; references required. VREELAND.

22D-ST., 449 WEST.—Handsomely furnished rooms, single, suites; also back parlor; improvements; strictly clean and moderate; private house.

54 WEST 9TH-ST.—Out-of-town shoppers can find newly furnished rooms convenient to shopping district; reasonable prices.

IRVING PLACE, 14.—Corner building; every room heated; every improvement; best location.

HEMORRHOIDS.

PILES.—No cutting, drugs, loss time; no pay until cured; best references. Dr. WOODBRIDGE, 51 East 23d-st.

MACHINERY.

AT REDUCED PRICES.—500 second-hand wood and iron working machines; fully guaranteed; cash only bought and exchanged. GEORGE B. EDDY, 305 Madison-st.

LOST.

BANKBOOK No. 313,008 of the Union Dime Savings Institution is missing. Any person having a claim to it is hereby called upon to present the same within ten days or submit to having said passbook cancelled and a new one issued.

LOST or STOLEN.—Pankbook No. 200,505 of the German Savings Bank in the City of New-York, corner 4th-ave. and 14th-st., issued to Margaretha Benken. All persons are cautioned against negotiating the same. If not returned to the bank on the 15th day of April 1898, a duplicate will be issued.

LOST.—Bankbook No. 738,070, Bank for Savings, 280 Fourth-ave., New York. Payment stopped. Please return book to bank.

OLD GOLD & SILVER WANTED.

SEND US your old gold, jewelry, &c., and receive certified check for full value therefor. Bank references. Established 1822. GEORGE N. JOYCE, 32 Fulton-st.

STORAGE.

THE CENTRAL STORAGE WAREHOUSES, 165, 167 and 168 West 32d-st. Storage, moving. Telephone 764 38th-st.

STORAGE NOTICES.

CENTRAL STORAGE WAREHOUSES, 165, 167 and 168 W. 32d-st., will sell at Auction Rooms of Floyd Grant & Co., Broadway and 47th-st., on Monday, April 4th, 1898, and each Monday thereafter, until goods are disposed of, goods of following parties for unpaid storage and charges: Mrs. Wm. Payne, Mrs. J. J. Sisco, Mr. J. E. Mack, Mr. C. H. Nichaus, Mr. James O'Donnell, Mrs. Wilson, Mrs. Emma Williams, Miss Minnie Newhoff, Mr. Wm. Humphrey, Mrs. Leonard and Mrs. Sarah Smith.

TO CHARLES BUCKHORN, Wm. J. Kane, Mrs. F. H. Fisk, Moses Spears, Helen R. Sanders, Annie Williams, E. V. Heermance, Alice Harper, Thomas Farrell, Mrs. Briggs, W. N. Vander Weyde, Mrs. E. C. Howard, R. Moroney, Mrs. Mackey: You and each of you are hereby notified that the time for the payment of my lien upon the property hereinafter described having expired, after due notice thereof had been given you, I will cause such property, to wit: household goods, personal effects and merchandise, stored by you in the Columbia Storage Warehouses, to be sold at public auction, according to the statute in such case made and provided, at Nos. 32 and 34 West 67th-st., on Saturday, April 9th, 1898, at 10:30 a. m., and if the sale thereof is not completed by 4 o'clock p. m. on said date, the same will be continued at the same place of each and every Saturday thereafter, beginning at 10:30 o'clock a. m. and continuing until 4 o'clock p. m. on each Saturday until the sale is completed.

HELP WANTED.

Male.

BOY, about 17 years old, one who can make himself generally useful. JOHN M. SCHMIDT, 37 Barclay-st.

GLUEINE, a novelty, always ready; practical glue pot, better, stronger than glue for every purpose; salesmen, agents everywhere to sell to everybody; durable, flexible, fragrant, circular, terms. WALLEY, 9 Spruce-st., New-York.

MAN WANTED to assist in office and do some collecting; mention age and references; one from the country preferred; $15 weekly; $300 cash required. Address COLLECTOR, 270 West 34th-st.

WANTED.—Photo-engraving pressman on line and halftone. Apply at 61 Ann-st.

WANTED.—Butler, single handed, willing to be generally useful; care of furnaces and windows; steady place; private family; strictly first-class reference. Address M., 1,269 Tribune Office.

WORK WANTED.

Female.

A SOUTHERN READER, in the city for a short time, will give ten lessons in the negro dialect for $25. Address H., 201 East 14th-st.

COMPANION.—A gentlewoman as useful traveling companion to a lady; experienced in sickness; highest references. Address MONTGOMERY, 1,242 Broadway.

CASHIER, &c.—Young girl, 17, grammar school graduate, wishes position as cashier or in office. Address H., 270 West 23d-st.

GERMAN gentlewoman, linguist, musician, desires employment of any kind; nothing menial. EMPLOYMENT, 270 West 23d-st.

JANITRESS.—Respectable German-American woman as janitress in flat; work for free rent; has experience; references. Call or address all week, PETERS, 715 9th-ave.

STENOGRAPHER.—Good beginner; salary no object. A. B., 329 Henry-st., Brklyn.

STENOGRAPHER and TYPEWRITER.—Willing and competent; owner of machine; good references. Box 723, Orange, N. J.

STENOGRAPHER and TYPEWRITER.—Three years' experience mercantile business, excellent penman, accurate at figures, no bookkeeping; willing to assist with work. Address Miss WEBB, 25 East 14th-st.

TEACHER.—Young teacher of English, German, French and Hungarian, bookkeeping and stenography, wants position as teacher in a family; country preferred; good home preferred to large salary. Address GRADUATE, 407 East 72d-st.

YOUNG LADY wishing to return to England would like to go with a lady, or would assist with children. Address M. B., 114 Hale-ave., Brooklyn.

WORK WANTED.

Male.

BOOKKEEPER.—A1 double entry; eight years with present firm; desires to make change at once; highest references; salary moderate. Address W. P. PRESLEY, 74 Richmond-st., Brooklyn.

BUTCHER.—By young man, age 21, understands his business. E. KRESS, 154 East 56th-st.

BUTCHER.—Young man wishes situation. HESSEL, 215 East 56th-st.

BOY, 15, American, wants a place with downtown house; writes a good hand; best reference. Address W. G., 258½ Emerson Place, Brooklyn.

BOY, 18, desires a position of any kind where there would be a chance of advancement. G. HESSLER, 420 4th-ave.

BOY, 16, wishes to learn a trade or work in wholesale house; reference. GUS. WETZEL, 104 Pitt-st.

BOY, 15, as office or errand boy; reference from former employer. M. MOSEOWITZ, 92 Avenue B.

BOY, 18, wishes position at anything. JAMES MURPHY, 206 East 60th-st.

BOY, 15, wishes a position at anything. Call or address WILLIAM GORMLY, 428 East 92d-st.

CLERK.—By young man of executive ability, in all office duties; best references furnished; salary moderate; chance of advancement desired. Box 332, 1269 Broadway.

CLERKSHIP desired by young man of executive ability in all office duties; best references furnished; salary moderate; chance of advancement desired. Box 322, 1,269 Broadway.

WORK WANTED.

Male.

COLLECTOR seeks engagement with first-class firm; 24 years' reference, real estate preferred; will furnish security. HOLZ, 1,874 3d-ave.

DRIVER or STABLEMAN, 33; married; German, speaks English; honest and sober; good references. J. MAISSETE, 242 East 94th-st.

DRIVER.—By young man as driver for express or delivery wagon; can give security or bonds; handy with tools. Address CHARLES BENNET, 335 West 15th-st.

DRUG CLERK, 23; graduate N. Y. C. P.; registered; city or country; moderate salary expected; references. Address DRUGGIST, 97 Greenpoint-ave., Long Island City.

ELECTRICIAN.—Young man, with college education, wants employment, either office or shop; can estimate and superintend or do practical work. Address J. D., 169 Macon-st., Brooklyn.

FIRST-CLASS refrigerator and ice house builder wants situation; would go out of country. Address or apply EBIBLE, 412 East 53d-st., store.

FIREMAN and OILER.—Married, eight years' experience; sober and reliable. Address W. H., 354 3d-ave.

JANITOR.—By a young colored man and wife; can handle steam or hot water boiler; six years' experience; best reference. Address D. I. HOAGE, 205 East 99th-st.

JANITOR.—A respectable small family will care for and clean small office building and pay part rent. Address A. R., Box 7, Tribune Office.

JANITOR.—By competent white man; excellent reference; no family. Address E. G. STRYKER, 859 Broad-st., Newark, N. J.

MANAGER, &c.—By married man, without family, a first-class position as manager of a gentleman's estate; understands farming, stock raising, dairying, poultry, culture vegetables, fruits; 22 years' experience in Germany and 9 years in United States; best recommendations. Address E. W. S., Postoffice Box 130, Morristown, N. J.

MACHINIST in small factory; light machinery; or as foreman. MACHINIST, 696 St. Ann's-ave.

PACKER AND SHIPPER.—Young German, understands little English, can do packing and shipping; competent for warehouse, hotel or coffee-room. WORK, 233 1st-ave.

PORTER, PACKER or shipping clerk; thoroughly experienced; best references. KENNY, 304 East 44th-st.

PORTER or WATCHMAN.—By a good, reliable man, with best of reference. WILLIAMS, 297 7th-ave., Brooklyn.

PORTER.—By young colored man in first-class tailor or music store; good reference. Address H. S., 768 Fulton-st., Brooklyn.

PLUMBER and steamfitter's helper, 2½ years' experience, active and strong. TAENSON, 205 East 58th-st.

PAINTER, decorator and paperhanger desires work for landlords, private residences or estates; parquet floors done, unquestionable references. ADOLPHUS, 84 East 2d-st.

PAINTER.—To do painting, decorating, paperhanging, &c.; owners, agents, private &c.; best city references; first-class work; reasonable; paperhanging, 25 cents roll; easy terms. A. JACOBY, 1,334 3d-ave., telephone call 393 79th.

PIANIST.—Best references; seeks afternoon engagement; fine accompanist; also lessons given. PIANIST, 420 East 82d-st.

STENOGRAPHER, bookkeeper, correspondent in German and French, good translator, wants position. Address C. L. DOREMUS, P. O. Box 161, Passaic, N. J.

STENOGRAPHER, typewriter, general office man, 12 years' experience, desires permanent position, mercantile line; can take full charge correspondence; A1 references. REMINGTON, Box 30, Tribune Office.

STENOGRAPHER and TYPEWRITER.—Speaks German, a beginner. B. HILGENBERG, 25 Beaver-st., Brooklyn.

STENOGRAPHER and TYPEWRITER.—Young man, 18, in business house; experience in office; good references. HERBERT HULL, Station L, Brooklyn.

SWEDE, just arrived, wishes position at anything; wages no object. PETERSON, 461 West 16th-st.

UPHOLSTERER.—First-class upholsterer in all its branches wants private work; city or country. Address M. SEILER, 136 East 57th-st.

VARNISHING, POLISHING and PAINTING.—Old storm and front doors cleaned and made equal to new; parquet and pine floors renovated; furniture and trimmings; doors and wainscoting cleaned, varnished and polished; painting and plain decorating and paperhanging done. JOSEPH ZEHNER, 205 East 72d-st.

YACHT STEWARD wishes to engage with some yacht owner for coming season; German-Lloyd 8s; references; speaks French, Italian and German. J., Box 279, 1,269 Broadway.

YOUNG GERMAN wants work at anything, good driver, sober and honest; go city or country. WILLIAM ROSER, care Mr. Frank Luno, 132 Greenwich-st.

YOUNG MAN, 23, wants situation. Call or address 145 Hopkins-ave., Brooklyn.

YOUNG MAN, 24, wishes situation; willing to work at anything. CRUM, 408 West 26th-st.

YOUNG GERMAN, married and speaking English, wants work at anything, experienced with horses and can drive. Address A. Z., 14 Cannon-st.

YOUNG MAN, recently arrived from Chili, South America, desires position as office assistant; has thorough knowledge of book-keeping. H. J. COWELL, 51 West 12th-st.

YOUNG MAN, 20, desires position at anything; assistant shipping clerk preferred; have had 1 year's experience. PHILIP THOLLIC, Landhurst, N. J.

YOUNG MAN, 19, wishes position as assistant in office work; good reference. Address E. S., jr., 827 3d-ave.

YOUNG MAN, 20, desires a position of any kind where there would be a chance of advancement; can furnish best of reference. E. STEPHENSON, 158 E. 28th-st.

YOUNG MAN, 22, wishes position at anything; understands horses. J. MANN, 457 West 31st-st.

YOUNG MAN to take care of horses and drive; also can care for garden or lawn; best reference. CRONIN, care Sullivan, 415 West 53d-st.

YOUNG MAN, 23, desires position at anything; good penman. Address FRANK, Box 11, Tribune Office.

DOMESTIC SITUATIONS WANTED

Male.

BUTLER.—By middle-aged man, good experience in all branches, in a private family; first-class city reference, city or country. Address 147 East 25th-st.

BUTLER.—By young man in first-class private family; best city reference. Call at 18 East 28th-st.

BUTLER or BUTLER and VALET.—English, thoroughly competent and highly recommended. H. R., 1,242 Broadway.

BUTLER.—Thoroughly experienced in every respect; willing and obliging; excellent reference as last employer seen. BUTLER, Box 372, 1,269 Broadway.

DOMESTIC SITUATIONS WANTED

Male.

BUTLER.—Japanese as butler in private family; city or country; good reference; best experience. S. O., 21 East 24th-st.

BUTLER — CHAMBERMAID.—By French couple in private family; man butler and good valet; wife chambermaid, parlormaid or nurse; thoroughly competent and experienced; good city reference. COUPLE, 233 West 36th-st.

BUTLER—HOUSEKEEPER.—By French couple; first class, to take entire charge of gentleman's house; man as butler, valet, cook; wife as working housekeeper. New-York, country or travelling; highest references. B. ECCHIET, 325 West 40th-st.

CARETAKER.—By man and wife, no family, to care for private house during owner's absence; wife good laundress; personal reference. Mrs. SCOTT, 240 East 41st-st.

CARETAKER or FARMER on gentleman's place; married, no children; eight years' experience; good references; handy with tools. Address J. H., 291 Marion-st., Brooklyn.

CARETAKERS.—Man and wife, Americans; best reference. Address Box 156, Freehold, N. J.

COACHMAN.—Single, first-class personal and written reference; careful city driver; willing and polite; age 30; city or country. B. G., 1,242 Broadway.

COACHMAN.—Single man; understands horses, harness, carriages; strictly sober and honest, and can be highly recommended with the best of references. Apply to the STUD GROOM, 10 East 59th-st., riding club.

COACHMAN and vegetable gardener, single, middle-aged; can care roads, lawn and be generally useful; moderate wages; best city reference. Address BYRNE, Box 5, Tribune Office.

COACHMAN.—By an experienced man, 36; five years last place; has best written and personal city reference for capability, honesty and sobriety. COACHMAN, 408 West 53d-st.

COACHMAN.—Place wanted for a thoroughly sober, honest and unusually competent man, with more than ordinary good address and manners. Apply to Dr. E. P. FOWLER, 38 West 40th-st.

COACHMAN.—Married; English; wife good cook; thoroughly experienced; first-class references; city or country. Address WYCHERLY, 535 West 52d-st.

COACHMAN.—Thoroughly experienced; aged 35; careful city driver; obliging, respectful, industrious; seven years' references. J. M., 1,620 Broadway, above 40th-st., Tribune Branch.

COACHMAN, USEFUL-MAN.—Single; thoroughly understands care horses, carriages, harness, lawns, roads; splendid testimonials; careful driver; smart appearance; temperate, respectful, industrious. DUFFY, 1,620 Broadway, Tribune Branch.

COACHMAN, USEFUL-MAN.—City or country, make himself generally useful; thoroughly understands farming business. 214 East 77th-st.

COACHMAN.—Practical; fully competent and a good whip; sober and honest; willing to make himself useful; best of reference. COACHMAN, 11 Henry-st., Morristown, N. J.

COACHMAN.—Single; understands business thoroughly; good careful driver; city or country; four years' good reference from last employer, who can be seen. Call or address P. J., 442 West 54th-st., care Mrs. Smyth.

COACHMAN, GARDENER.—Swedish single man, age 31; first-class reference; hard worker. Address G. S., care Mr. Viel, 199 31st-st., Brooklyn.

COACHMAN.—Englishman; experienced driver; city or country; good references; strictly temperate; understands his business thoroughly; moderate wages. JONES, 139 West 90th-st.

COACHMAN AND GARDENER.—Understands horses, good driver; thoroughly competent to take charge of garden and flowers; all-around man; single; satisfactory personal references. W. E., Box 12, Tribune Office.

COACHMAN.—First-class, disengaged on account of death; entrance from three of the best families in New-York. Address HAY, 43 East 50th-st.

COACHMAN.—Gentleman wishes situation for his coachman, whom he can confidently recommended; he is respectful and trustworthy; city or country. Address 44 West 54th-st.

COACHMAN.—Young colored man in private family as coachman. G. C. W., 1,242 Broadway.

COACHMAN.—Ten years' first-class personal city references from best city families, who will testify to his ability. Address T., 127 West 46th-st.

COACHMAN AND GARDENER.—Married, no family; is good careful driver, thoroughly understands the care of gentleman's place; can milk if required; has years of the best references as to sobriety, honesty and capability. Address ANDERSON, 130 West 25th-st.

COACHMAN.—Married; wife excellent cook; makes all soups, pastry, bread, biscuit and ice-cream; man thoroughly understands his business in every respect; strictly temperate, steady, reliable; offers highest city reference. Call or address M. B., 151 East 32d-st.

COACHMAN.—Single; understands care of horses, harness, carriages; careful driver; city or country; strictly temperate; willing and obliging. 9 years' city references. 138 West 38th-st.

COACHMAN.—Competent; single; long experience; willing; careful driver; city or country; references as to honesty, sobriety, ability, from prominent families. WOODS, 798 2d-ave.

COACHMAN.—Single; neat appearance; thoroughly understands fine horses, carriages; good city, country driver; 8 years' reference, written and personal. H., Box 10, 1,242 Broadway.

COACHMAN AND GARDENER.—By a young man; country preferred; best of city reference. Address J. D., 926 Fulton-st., Brooklyn, florist store.

COACHMAN.—English, age 30, single; thoroughly competent; first-class city references, city or country. ENGLISH, 1,242 Broadway.

COACHMAN.—By an experienced man, married, no family; wife cook if required; 10 years' reference; sober, willing, obliging. H., care Quinby, 232 8th-ave.

COACHMAN.—Married Swiss, no family; would like to take care of gentleman's place or as coachman; wife good house worker; best of references. SWISS, 235 East 54th-st.

COACHMAN.—Middle-aged, single, with long reference from first-class families for honesty, sobriety and capability; accustomed to first-class carriages and horses. To be seen at or address T. M., stables, 48 East 41st-st.

COACHMAN.—Young man; thoroughly understands care of horses; good, careful driver; best city reference from last employer. J. S., 205 East 38th-st., Bowlby's stable.

COACHMAN.—By young man; understands care and management of fine horses and harness; good driver, willing and obliging; city or country; last employer can be seen. JAMES, 1,242 Broadway.

COACHMAN.—Married, no family; thoroughly competent, industrious, sober, willing and obliging; city or country, personal; city reference. M. F., 108 West 39th-st.

COACHMAN—COOK.—By young couple; man as coachman, wife as cook, in private house. PAUL HERVARTH, 157 East 31st-st.

DOMESTIC SITUATIONS WANTED

Male.

COACHMAN.—By an active, elderly man; understands the proper care of horses, carriages, garden, lawn, roads, etc.; useful about house; wages $15; reference. C., Tribune Office.

COACHMAN or GROOM.—By useful, single, middle-aged Protestant man; thoroughly understands care horses, carriages, etc.; country preferred. E. W., Tribune Office.

COACHMAN.—Gentleman wishes situation for his coachman; married; highly recommended; thoroughly understands his business; also care of lawns and flowers. Address 68 Nassau-st., New-York. Room 48, 12th floor, or 229 Columbia Heights, Brooklyn.

COACHMAN.—Understands his business thoroughly; sober and reliable; experienced city driver; last employer can be seen; 10 years' first-class references. JAMES, 1,242 Broadway.

COACHMAN.—Single, Protestant; careful driver; willing to be generally useful; care furnace, mow lawn, can milk; wages moderate. Address S. L. B., 1,242 B'way.

COACHMAN and GARDENER.—By young Frenchman; generally useful; good reference. Y. P., 142 Macdougal-st.

COACHMAN and GARDENER.—Thoroughly competent; willing, sober, honest; can milk; good reference. J. H., 203 East 28th-st.

COACHMAN.—Married; no encumbrance; qualified in all duties; reference as to honesty, sobriety and capability; last employer can be seen; city or country. B., 13 East 27th-st.

COACHMAN.—Thoroughly competent; careful driver; first-class reference; well recommended in every way; last employer can be seen. Address COACHMAN E., L315 24-ave.

COACHMAN.—Thoroughly competent; careful driver; first-class horseman; well recommended by last employer. Address F. T. T., care Mason's Stables, 77th-st. and 10th-ave.

COACHMAN, GARDENER, FARMER.—North of Ireland Protestant; married, one child; all work on place; wife fine dairy and poultry woman, wants house; best references. At CARPENTER'S, 108 6th-ave.

COACHMAN, GARDENER.—Temperate, industrious Englishman, single; used to horses, nice gardener, can milk, etc.; excellent references. At CARPENTER'S, 108 6th-ave.

COACHMAN, &c.—By German, single, as coachman, gardener, and useful man; good, all-around worker; good references. H. R., 3 Milligan Place, 6th-ave.

FRENCH CHEF.—Colored, with best references, for club or restaurant; sleeps home. ADOLPH, care present employer, 113 East 62d-st.

FARMER or GARDENER.—By married man; thoroughly understands the care of horses and cows; can do all kinds of repairs, good carpenter; no cards; good references. Address B. C., Box 3, Hill's Grove, R. I.

FARMER and GARDENER.—By a German-American to take charge of gentleman's place; understands farming and gardening in all its branches; also greenhouse and laying out and grading new places; married; no family; five years' best of reference from last employer. J. B., Box 176, Irvington-on-Hudson, N. Y.

FARMER.—By young man, steady and willing; handle horses; reference; please state wages in right man. Write L. A. R., Carteret, N. J.

GARDENER.—By young man, single; 7 years' good general experience; excellent references. ERNEST PRESTON, Box 381, Flushing, Long Island.

GARDENER.—German, aged 35, married, two children, experienced greenhouses, vegetables, fruits, everything in care and management of gentleman's place; best reference. GARDENER, P. O. Box 178, Tompkinsville, Staten Island.

GARDENER.—First-class gardener, 29 years of age, on private place. Address GARDENER, care Brennan, 104 East 102d-st.

GARDENER.—By a married man, German, aged 40; understands his business in all branches; greenhouses, grapery, garden, lawn, one child, ten years old. Address C. S. C., Box 6, Tribune Office.

GARDENER and FLORIST.—Married, thoroughly experienced; desires engagement; best of references. ENGLISH, Box 16, Tribune Office.

GARDENER.—Thorough; take full charge of gentleman's place; all branches, greenhouses, grapery, vegetables, garden work, lawns, fruit trees, shrubs; knowledge of farming stock; best references. C., Box 18, Tribune Office.

GARDENER.—COOK, &c.—By young French couple; man as gardener; understands horses; wife first-class cook; excellent laundress; city or country; willing and obliging; reference. 208 East 86th-st., one flight back, right.

GARDENER and FLORIST.—German, 35, married, one child, on gentleman's place; 19 years' experience in all branches; good references. Address CARL BRAEMER, 145 West Bridge-st., Oswego, N. Y.

GARDENER.—Thorough; take full charge of gentleman's place; all branches, greenhouses, grapery, vegetables, garden work, lawns, fruit trees, shrubs; knowledge of farming stock; best references. C., Box 18, Tribune Office.

GARDENER.—By married man; no family; 28 years of age; German; as manager of gentleman's estate; understands thoroughly the care and feeding of fine stock, poultry, incubation and breeding; farming for profit in all its branches; wife can take charge of house or board help if required; a good, economical housekeeper. For further particulars address Box 278, Madison, N. J.

GARDENER.—Single; understands the business well; can milk; good references. M. C., Box 61, 1,242 Broadway.

GARDENER.—By single man, 34; thoroughly understands his business; capable of taking charge of gentleman's place; 15 years' first-class references. CAPABLE, Box 33, Tribune Office.

GARDENER.—By a single young man, Protestant; to take care of a gentleman's place; understands greenhouse and rose culture; first-class references. W. J. S., 37 East 19th-st.

GARDENER.—By a Protestant married man; thoroughly understands the growing of all kinds plants, shrubs, bathed, cold, frame, cow, poultry. Address J. B. H., Tribune Office.

GARDENER and FLORIST.—German, single, 33 years old; 17 years' experience in flowers, vegetables; fruit; care of pleasure grounds and hothouses; in private park or gentleman's place; city or country; best of references. A. W., Tribune Office.

GARDENER.—Married; thorough in garden and greenhouse work; also care of stock; 15 years' experience; written and personal references; handy with tools. P. BARRY, 27 Hallet-st., Astoria, Long Island.

GARDENER.—Married; thoroughly understands growing vegetables, flowers and lawns; also under glass; best references. Address DEITS HMAN, 230 East 42d-st.

GARDENER.—First-class, single; twenty years' reference. GARDENER, 162 Boulevard, West Hoboken.

GARDENER—COOK—LAUNDRESS.—By useful man and wife; first-class references; no children. Address GARDENER, 100 West 50th-st., care Weeks.

GARDENER.—Thoroughly versed in all matters pertaining to horticulture; good references as to ability and character. Address EDWARD THOMAS BEAN, gardener on estate of the late Hon. H. W. Sage, Ithaca, N. Y.

GARDENER.—Single, 29, 10 years' experience in England (parts in United States) in charge of greenhouses, settings out, lawns, etc.; best of references. Address A. J., Undercliff, N. J.

GARDENER.—Strictly first-class, married; fourteen years' experience in leading commercial and private places in England; five years in this country; highly recommended; last employer can be seen in city. W. B., Bridgeman's Seed Store, 37 East 19th-st.

GARDENER.—Married; 14 years' experience; wishes situation on gentleman's place; understands care of greenhouses, lawn, carnis, and vegetables; best references. Address W. Brunet, Box 1, Gatwood, N. J.

GARDENER and GROWER.—Aged 39; competent on private estate; life experience; capable assuming entire charge, skilled in greenhouse and outdoor work, vegetables, fruits, graperies, ornamental and design bedding specialties. Address GROWER, care Dawson, 232 West 33d-st.

GROOM.—By young man; references, personal or written. Address JOHN O'CONNOR, Yantic, Conn.

GROOM.—By young man; four years' experience; good references; married, no family. Address GROOM, Box 18, Tribune Office.

GROOM or USEFUL-MAN.—By young man; best references. EDWARD M'DONNELL, 492 8th-ave., 34 floor.

NURSE—VALET.—To invalid gentleman, mental or otherwise; shaves; city or travel; long experience; first-class city reference; registered Academy Medicine; will be disengaged April 1. NURSE, 257 West 42d-st.

USEFUL-MAN.—Young man wishes to make himself useful around house; driving or cleaning, or anything else; reference. J. BROWN, 556 9th-ave.

USEFUL-MAN, 34, German; handy as carpenter and painter; understands horses; position in quiet place. MEYER, care of Dias, 122 1st-ave.

**DOMESTIC SITUATIONS